



Atty. Dkt. No. 066243-0240 (141224)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Xue et al.

Title: SYSTEM AND METHOD FOR
 REGISTERING AN IMAGE
 WITH A REPRESENTATION OF
 A PROBE

Appl. No.: 10/749,540

Filing Date: 12/31/2003

Examiner: To be Determined

Art Unit: To be Determined

<p>CERTIFICATE OF MAILING</p> <p>I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as First Class Mail in an envelope addressed to: Commissioner for Patents, PO Box 1450, Alexandria, Virginia 22313-1450, on the date below.</p> <p>Carolyn Simpson <small>(Printed Name)</small></p> <p><i>Carolyn Simpson</i> <small>(Signature)</small></p> <p>April 23, 2004 <small>(Date of Deposit)</small></p>

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT
UNDER 37 CFR §1.56

Commissioner for Patents
PO Box 1450
Alexandria, Virginia 22313-1450

Sir:

Submitted herewith on Form PTO-1449 is a listing of documents known to Applicants in order to comply with Applicants' duty of disclosure pursuant to 37 CFR §1.56. A copy of each listed document, except as noted below, is being submitted to comply with the provisions of 37 CFR §1.97 and §1.98.

The USPTO has waived the requirement under 37 CFR 1.98(a)(2)(i) to submit copies of U.S. patents and U.S. patent application publications when citing and submitting an Information Disclosure Statements in a patent application filed after June 30, 2003 and in an international application that has entered the national stage under 37 USC §371 after June 30, 2003. Accordingly, copies of these types of documents are not being supplied in connection with this application. Reference is being made to Pre-OG Notice from Office of Patent Legal Administration dated July 25, 2003, *Information Disclosure Statements May Be Filed Without Copies of U.S. Patents and Published Applications in Patent Applications filed after June 30, 2003.*

The submission of any document herewith, which is not a statutory bar, is not intended as an admission that such document constitutes prior art against the claims of the present application or that such document is considered material to patentability as defined in 37 CFR §1.56(b). Applicants do not waive any rights to take any action which would be appropriate to antedate or otherwise remove as a competent reference any document which is determined to be a *prima facie* art reference against the claims of the present application.

TIMING OF THE DISCLOSURE

The listed documents are being submitted in compliance with 37 CFR §1.97(b), before the mailing date of the first Office Action on the merits.

RELEVANCE OF EACH DOCUMENT

All of the documents are in English.

Applicants respectfully request that any listed document be considered by the Examiner and be made of record in the present application and that an initialed copy of Form PTO-1449 be returned in accordance with MPEP §609.

The Commissioner is hereby authorized to charge any additional fees which may be required regarding this application under 37 CFR §§ 1.16-1.17, or credit any overpayment, to Deposit Account No. 50-2401. Should no proper payment be enclosed herewith, as by a check being in the wrong amount, unsigned, post-dated, otherwise improper or informal or even entirely missing, the Commissioner is authorized to charge the unpaid amount to Deposit Account No. 50-2401.

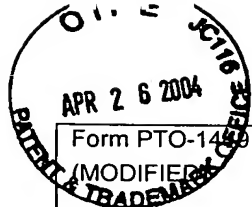
Respectfully submitted,

Date April 23, 2004

By Scott C. Nielson

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Form PTO-1450

(MODIFIED)

U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICE

ATTY. DOCKET NO.

066243-0240 (141224)

SERIAL NO.

10/749,540

INFORMATION DISCLOSURE CITATION

(Use several sheets if necessary)

APPLICANT

Xue et al.

FILING DATE

12/31/03

GROUP ART UNIT

To be Determined

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	REF	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE IF APPROPRIATE

FOREIGN PATENT DOCUMENTS

	REF	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION	
							YES	NO

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

	A1	Cardiac catheterization system, Cardiac Cath Lab Systems, RMC-3100, RMC-3200, printed from website www.nihonkohden.com on 12/18/2003, (2 pgs.).
	A2	DASH PRO, Variable-Acuity Monitoring, GE Medical Systems Information Technologies, 02-7446A, March 2002, (8 pgs.).
	A3	GE Announces Alliance with Biosense Webster to Give Clinicians Access to Patients' Complete Heart Rhythm Data at a Single Workstation, GE Medical Systems – Company News-News Releases, dated May 15, 2003, (2 pgs.).
	A4	Invasive – CardioLink Networking – Boosts your productivity, GE Medical Systems, Europe, Middle East & Africa, printed from website www.gemedicalsystemseurope.com/euen/cardiology/invasive/electro_la... on 1/27/2004, (2 pgs.).
	A5	Navigation and Visualization, InstaTrak™ - Cranial Multi-application electromagnetic surgical navigation system for ENT, Cranial and Spine procedures, GE Medical Systems, printed from website www.gemedicalsystemseurope.com/euen/rad/nav/instatrak_cranial_ho on 1/27/2004, (2 pgs.).
	A6	Invasive, Increase Efficiency in the Cardiac Cath Lab, GE Medical Systems, printed from website www.gemedicalsystems.com/cardiology/invasive/cardiac_cath_lab/comb on 1/12/2004, (1 pg.).
	A7	Invasive – CardioLab – 5.1, Bringing added functionality to the world class CardioLab EP System, GE Medical Systems, printed from website www.gemedicalsystems.com/cardiology/invasive/electro_lab... on 1/12/2004, (2 pgs.).
	A8	Computed Tomography, Advanced Clinical Applications, GE Medical Systems, printed from website www.gemedicalsystems.com/rad/ct/applications/msctappl.html on 1/28/2004, (2 pgs.).

EXAMINER

DATE CONSIDERED

* EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include any copy of this form with next communication to applicant.

Form PTO-1449 (MODIFIED)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY. DOCKET NO. 066243-0240 (141224)	SERIAL NO. 10/749,540		
INFORMATION DISCLOSURE CITATION (Use several sheets if necessary)				APPLICANT Xue et al.			
				FILING DATE 12/31/03	GROUP ART UNIT To be Determined		
				OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)			
	A9	Computed Tomography, <i>Advanced CT Applications – Navigator</i> , GE Medical Systems, printed from website www.gemedicalsystems.com/rad/ct/applications/navigator.html on 1/28/2004, (1 pg.).					
	A10	Computed Tomography, <i>Advanced CT Applications – Direct3D</i> , GE Medical Systems, printed from website www.gemedicalsystems.com/rad/ct/applications/direct3d.html on 1/28/2004, (1 pg.).					
	A11	Computed Tomography, <i>Advanced CT Applications – Volume Rendering</i> , GE Medical Systems, printed from website www.gemedicalsystems.com/rad/ct/applications/vr.html on 1/28/2004, (2 pgs.).					
	A12	Computed Tomography, <i>Advanced CT Applications – Advantage Sim</i> , GE Medical Systems, printed from website www.gemedicalsystems.com/rad/ct/applications/sim_benefits.html on 1/28/2004, (1 pg.).					
	A13	Computed Tomography, <i>Advanced CT Applications – Advantage Sim (Simulation Tools)</i> , GE Medical Systems, printed from website www.gemedicalsystems.com/rad/ct/applications/sim_sim.html on 1/28/2004, (1 pg.).					
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	A15	Computed Tomography, <i>GE Medical Systems is proud to offer Mindways QCT PRO 3D Volumetric Spine & Hip BMD – B7501MW – Accurate & Reproducible</i> , GE Medical Systems, printed from website www.gemedicalsystems.com/rad/ct/applications/bmd/index.html on 1/28/2004, (1 pg.).					
	A16	Computed Tomography, <i>Snapshot cardiac imaging provides the most flexible and widest range of clinical acquisition and reconstruction options available today. Snapshot enables cardiac imaging over a wide range of patients (from 40 to 110 bpm)</i> , GE Medical Systems, printed from website www.gemedicalsystems.com/rad/ct/applications/snapshot/index.html on 1/28/2004, (1 pg.).					
	A17	Computed Tomography, <i>SmartScore – Coronary Artery Calcification Scoring</i> , GE Medical Systems, printed from website www.gemedicalsystems.com/rad/ct/applications/smart_score/index.html on 1/28/2004, (2 pgs.).					
	A18	SmartScore, <i>Coronary Artery Calcification Scoring</i> , GE Medical Systems, copyright date: 2000, (6 pgs.).					
	A19	Computed Tomography, <i>CardIQ Function – Cardiac Functional Analysis</i> , GE Medical Systems, printed from website www.gemedicalsystems.com/rad/ct/applications/cardi_q_func/index.html on 1/28/2004, (2 pgs.).					
	A20	Computed Tomography, <i>CardIQ Analysis – CV Image Post-Processing & Analysis</i> , GE Medical Systems, printed from website www.gemedicalsystems.com/rad/ct/applications/cardi_q/index.html on 1/28/2004, (2 pgs.).					
	A21	Computed Tomography, <i>Advanced Vessel Analysis</i> , GE Medical Systems, printed from website www.gemedicalsystems.com/rad/ct/applications/ava/ct_ava_home.html on 1/28/2004, (2 pgs.).					
	A22	Advanced Vessel Analysis – <i>Image Analysis Software</i> , GE Medical Systems, copyright date: 2000, (4 pgs.).					
	A23	B770OSS <i>Advanced Vessel Analysis</i> , –GE Medical Systems, date undetermined, (2 pgs.).					
	A24	Advanced Vessel Analysis, <i>Clinical Case Study, Application in Pre-stent Graft Evaluation and Post-stent Graft Imaging</i> , GE Medical Systems, copyright date: 2000, (8 pgs.).					

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A25	Advantage Workstation – <i>Multi-Modality Software Applications</i> ; GE Medical Systems, printed from website www.gemedicalsystems.com/rad/aw/aw_multisoft.html on 1/28/2004, (3 pgs.).		
A26	Advantage Workstation – <i>CT Software Applications</i> ; GE Medical Systems, printed from website www.gemedicalsystems.com/rad/aw/aw_ctsoft.html on 1/28/2004, (4 pgs.).		
A27	Advantage Workstation – <i>MR Software Applications</i> ; GE Medical Systems, printed from website www.gemedicalsystems.com/rad/aw/aw_mrsoft.html on 1/28/2004, (2 pgs.).		
A28	Advantage Workstation – <i>Vascular Software Applications</i> ; GE Medical Systems, printed from website www.gemedicalsystems.com/rad/aw/aw_vascsoft.html on 1/28/2004, (2 pgs.).		
A29	Functional Imaging – <i>POWERstation™ General Software</i> , GE Medical Systems, printed from website www.gemedicalsystems.com/rad/nm_pet/clinical_img/general.html on 1/28/2004, (1 pg.).		
A30	Functional Imaging – <i>QuickSPECT™ Reconstruction</i> , GE Medical Systems, printed from website www.gemedicalsystems.com/rad/nm_pet/products/vision/qspectrecon.h... on 1/28/2004, (2 pgs.).		
A31	Functional Imaging – <i>QuickSPECT™ - ReadMaster Display</i> , GE Medical Systems, printed from website www.gemedicalsystems.com/rad/nm_pet/products/vision/qspectdisplay... on 1/28/2004, (2 pgs.).		
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A37	Functional Imaging – <i>Color Scales</i> , GE Medical Systems, printed from website www.gemedicalsystems.com/rad/nm_pet/products/vision/color.html on 1/28/2004, (2 pgs.).		
A38	Functional Imaging – <i>Image Processing</i> , GE Medical Systems, printed from website www.gemedicalsystems.com/rad/nm_pet/clinical_img/image_processing on 1/28/2004, (2 pgs.).		
A39	<i>Prucka CardioLab/Mac-Lab 7000 CardioLink Operator's Manual</i> , GE Medical Systems, Revision C, marked as July 2, 2001, (24 pgs.).		

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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)							
	A40	Realtime Position Management™, Integrating Advanced Mapping, Navigation and EP Recording, Boston Scientific, copyright date: 2003, Boston Scientific Corporation, (3 pgs.).					
	A41	Advanced Mapping, Boston Scientific, printed from website www.bostonscientific.com/common_templates/procedureOverview.jhtml on 1/9/2004, (2 pgs.).					
	A42	Diagnostic EP Study, Boston Scientific, printed from website www.bostonscientific.com/common_templates/procedureOverview.jhtml on 1/9/2004, (2 pgs.).					
	A43	Pericardiocentesis, Boston Scientific, printed from website www.bostonscientific.com/common_templates/procedureOverview.jhtml on 1/9/2004, (1 pg.).					
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	A47	How to Get There From Here, PruKa Cardiolab 7000, Advanced Electrophysiology Diagnostic System, GE Medical Systems, copyright date: 2000, (2 pgs.).					
	A48	Jasbir Sra, Joy Thomas, New Techniques for Mapping Cardiac Arrhythmias, Indian Heart Journal, July-August 2001, printed from website www.indianheartjournal.org/JulyAugust2001/NewTechniquesforMapping/... on 1/19/2004, (30 pgs.).					
	A49	EP MedSystems Submits 510-K- Filing for Integration of Catheter Navigation Technology into EP-Workmate Platform, West Berlin, N.J. – (BUSINESS WIRE), July 24, 2003, printed from website www.businesswire.com/webbox/bw.072403/232055085.htm on 1/19/2004, (1 pg.).					
	A50	Anoop K. Gupta, Alok Maheshwari, Ranjan K. Thakur, Yash Y. Lokhandwala, Catheter Ablation of Atrial Tachycardia Using a Real-Time Position Management Mapping System, Indian Heart Journal, Jan.–Feb. 2003, printed from website www.indianheartjournal.org/Jan-Feb2003/Catheter%20Ablation%20of%... on 1/19/2004, (4 pgs.).					
	A51	Products / EPWorkMate® - The Completely Integrated EP WorkStation, EPMedSystems, copyright date: 2001, printed from website www.epmedsystems.com/products/epwm/index.htm on 1/19/2004, (4 pgs.).					
	A52	INVASIVE - Cardiolmage Fluoroscopy Image Management System, GE Medical Systems, printed from website www.gemedicalsystem.com/cardiology/invasive/electro_lab/cardioimag... on 1/26/2004, (1 pg.).					
	A53	Maximum Access To Patient Data, Heartlab, printed from website www.heartlab.com/benefits_access.htm on 1/27/2004, (1 pg.).					
	A54	Superior Performance, System Stability And On-Going Maintainability, Heartlab, printed from website www.heartlab.com/benefits_performance.htm on 1/27/2004, (1 pg.).					
	A55	Unparalleled Portability And Protection For Patient Data, Heartlab, printed from website www.heartlab.com/benefits_portability.htm on 1/27/2004, (1 pg.).					

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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)			

	A56	<i>Ease of Use</i> , Heartlab, printed from website www.heartlab.com/benefits_simplicity.htm on 1/27/2004, (1 pg.).
	A57	<i>System Flexibility For Long-Term Protection of Your Technology Investment</i> , Heartlab, printed from website www.heartlab.com/benefits_flexibility.htm on 1/27/2004, (1 pg.).
	A58	<i>Encompass: Not just a system – a solution</i> , Heartlab, printed from website www.heartlab.com/products_0.htm on 1/27/2004, (11 pgs.).
	A59	<i>St. Francis Medical Center</i> , Heartlab, printed from website www.heartlab.com/casestudies_3.htm on 1/27/2004, (4 pgs.).
	A60	<i>University of Chicago and Heartlab Forge Clinical Cooperation Agreement for Encompass System Enhancements</i> , Heartlab, dated August 21, 2001, (2 pgs.).
	A61	<i>Actuality Systems – Photographs</i> , Actuality Systems, copyright date: 2001, printed from website www.actuality-systems.com/photographs.php3 on 11/25/2003, (3 pgs.).
	A62	<i>Welcome to SeeReal Technologies GmbH</i> , SeeReal Technologies, copyright date: 2003, printed from website www.seereal.com/default.en.htm on 2/17/2004, (1 pg.).
	A63	<i>Autostereoscopic 3D Display in Laparoscopic Surgery</i> , University of Cambridge, Cambridge, United Kingdom, presented at CAR '95, Berlin, 21-24 June, 1995, printed from website www.cl.cam.ac.uk/users/nad/car95_paper.html on 2/16/2004, (1 pg.).
	A64	<i>SeeReal 3D Displays – “C” Display</i> , SeeReal Technologies, copyright date: 2003, printed from website www.seereal.com/EN/products.en.htm on 2/16/2004, (1 pg.).
	A65	<i>SeeReal Technologies – Areas of Use</i> , SeeReal Technologies, copyright date: 2003, printed from website www.seereal.com/EN/use.en.htm on 2/16/2004, (1 pg.).
	A66	K. Radermacher, C.V. Pichler, S. Fischer, G. Rau, <i>3D-Visualisation in Surgery</i> , Helmholtz-Institute for Biomedical Engineering, Aachen University of Technology, Aachen, 1998, (6 pgs.).
	A67	<i>Siemens and X3D unveil the first Extreme 3D Display for medical application</i> , Virtual Medical Worlds Monthly, dated Oct. 22, 2003, printed from website www.hoise.com/vmw/03/articles/vmw?LV-VM-11-03-27.html on 2/16/2004, (2 pgs.).
	A68	<i>Siemens unveils the first Extreme 3D Display for medical application</i> , Siemens AG, dated Oct. 22, 2003, printed from website http://siemens.com/index.jsp?sdc_p=d1047890po1105117fcls4mn1031561u&... on 2/16/2004, (2 pgs.).
	A69	Gregg Favalora and Cameron Lewis, <i>Spatial 3D: The End of Flat-Screen Thinking</i> , Actuality Systems, Inc., July, 2003, (9 pgs.).
	A70	<i>CALYSTO™ for Cardiology – Overview</i> , WITT BIOMEDICAL, printed from website www.wittbiomedical.com/products.cfm?seclD=1 on 4/1/2004, 1 page.

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